

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

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Listing of Claims:

1. (Currently Amended) A multi-frequency monopole antenna for a wireless device, the antenna comprising:

10 a substantially rectangular first conductor plate having a width between a first edge and a second edge thereof and a height, the first conductor plate producing a first resonance band corresponding to the length from the first edge to the second edge, and producing a second resonance band corresponding to the length from the first edge to the second edge and back to the first edge plus a portion of the height; and
15 a second conductor plate connected to the first edge of the first conductor plate for feeding signals of the first resonance band and the second resonance band.

20 2. (Original) The antenna of claim 1, wherein the antenna produces resonance at a first frequency in the first resonance band, the antenna produces resonance at a second frequency in the first resonance band, the antenna produces resonance at a third frequency in the second resonance band.

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3. (Currently Amended) A multi-frequency monopole antenna for a wireless device, the antenna

comprising a conductor plate having a first plate portion and a second plate portion, the first plate portion having a width between a first edge and a second edge thereof and a height for producing a first resonance band and a second resonance band, the second plate portion being connected to the first edge of the first plate portion for feeding signals of the first resonance band and the second resonance band, the first plate portion producing the first resonance band corresponding to the length from the first edge to the second edge thereof, and producing the second resonance band corresponding to the length from the first edge to the second edge and back to the first edge plus a portion of the height.

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4. (Original) The antenna of claim 3 wherein the second plate portion is L-shaped.

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5. (Currently Amended) The antenna of claim 3 wherein the first plate portion is substantially rectangular.

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6. (Original) The antenna of claim 3, wherein the antenna produces resonance at a first frequency in the first resonance band, the antenna produces resonance at a second frequency in the first resonance band, the antenna produces resonance at a third frequency in the second resonance band.

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7. (Currently Amended) A multi-frequency monopole antenna for a wireless device, the antenna comprising a conductor plate having a first plate

portion and a second plate portion, the first plate portion being ~~rectangle~~ substantially rectangular with a width between a first edge and a second edge thereof and a height for producing resonance at a first frequency, a second frequency, and a third frequency, the second plate portion being connected to the first edge of the first plate portion for feeding signals of the first frequency, the second frequency, and the third frequency, the first plate portion producing resonance at the first frequency corresponding to a length from the first edge to the second edge thereof, the first plate portion producing resonance at the second frequency corresponding to a length from the first edge to the second edge thereof, and the first plate portion producing resonance at the third frequency corresponding to a length from the first edge to the second edge and back to the first edge plus a portion of the height.

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8. (Original) The antenna of claim 5 wherein the conductor is L-shaped.

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9. (New) The antenna of claim 1 wherein the second conductor is L-shaped comprising a first end and a second end, the first end connected to a feeding terminal and the second end connected to the first edge of the first conductor plate for feeding signals of the first resonance band and the second resonance band.

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10. (New) The antenna of claim 9 wherein the feeding

terminal is directly connected to an RF module of the wireless device.

11. (New) The antenna of claim 1 wherein the portion
5 of the height included in the length corresponding
to the second resonance band causes the second
resonance band to include resonance frequencies
within the GSM 1800 and 1900 bands.

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